Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/02/2015 10:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123538	-2	1.91	123372	1.85
Blue	F	SSC	125000	124082	-1	3.06	125007	2.79
Blue	E	FITC	17998	17306	-4	2.38	976	8.37
Blue	D	PE	23234	22706	-3	2.00	1023	7.46
Blue	B	PerCP-Cy5-5	69571	68786	-2	2.69	1816	12.02
Blue	A	PE-Cy7	77815	77443	-1	3.70	1020	23.14
Red	C	APC	65936	65815	-1	2.35	3715	7.81
Red	A	APC-Cy7	100669	100075	-1	2.51	1983	7.57
Violet	B	V450	10405	10023	-4	3.61	622	8.08
Violet	A	V500	47250	46481	-2	3.37	2624	5.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19580	7.30	588	9	N/A	N/A	Pass
Blue	F	SSC	62111	1.94	504	15	N/A	N/A	Pass
Blue	E	FITC	107	32.95	520	5	0.0287	84	Pass
Blue	D	PE	213	23.32	513	6	0.2088	166	Pass
Blue	B	PerCP-Cy5-5	221	36.86	598	8	0.0134	25	Pass
Blue	A	PE-Cy7	77	88.50	654	8	0.0171	3	Pass
Red	C	APC	349	25.50	579	1	0.0227	23	Pass
Red	A	APC-Cy7	125	36.74	560	1	0.0053	870	Pass
Violet	B	V450	65	43.31	460	10	0.0494	2137	Pass
Violet	A	V500	171	20.36	500	12	0.0156	32	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/02/2015 10:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.23	-31.02	0.74
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.20
Red	16.85	13.07 - 19.61	N/A	N/A	31.60	31.82	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10203

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments